

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

Claim 1. (Currently Amended): A ~~D~~demountable reel (1), ~~of those that~~ comprising a hollow cylindrical central body (2), divided in two equal semi-cylindrical halves (3) by a diametral plane, and two essentially flat discs (4), of greater diameter and equipped with central openings (14), arranged on the bases of the hollow cylindrical central body, characterized in that the semi-cylindrical halves are equipped, on ~~the~~ rims of their bases (5), with flanges (6) projected at least one of transversally inwards ~~or~~ and transversally outwards, and in that each disc is equipped, on its inner face (8), with an annular groove (7), which defines a discontinuous guide rail (9) adapted to removably receive the flanges of one of the ends of the semi-cylindrical halves of the hollow cylindrical central body, ~~each one of the segments of~~ at least one of the guide rail and ~~or~~ the flanges of the semi-cylindrical halves ~~have~~ having segments with a ~~progressively variable section that varies,~~ causing, when the hollow cylindrical central body is rotated in relation to the discs in a movement similar to winding, that the clearance between the flanges and ~~the~~ walls of the guide rail which house ~~houses~~ the flanges ~~is progressively reduced~~ until it disappears, all the flanges being simultaneously wedged to the guide rail, ~~just having to~~ and rotating said central body in the opposite direction ~~to be able to separate~~ separating the discs.

Claim 2. (Currently Amended): The D~~dem~~ountable reel (1) according to claim 1, characterized in that the section of each one of the flanges (6) of the semi-cylindrical halves is homogenous and in that the section of each segment of the guide rails (9) of the disc (4) progressively decreases.

Claim 3. (Currently Amended): The D~~dem~~ountable reel (1) according to claim 1, characterized in that the section of the guide rails (9) is homogenous and in that the section of each one of the flanges (6) of the semi-cylindrical halves progressively increases.

Claim 4. (Currently Amended): The D~~dem~~ountable reel (1) according to claim 1, characterized in that each one of the flanges (6) of the semi-cylindrical halves progressively increases and in that the section of each segment of the guide rails (9) of the discs (4) progressively decreases.

Claim 5. (Currently Amended): The D~~dem~~ountable reel (1) according to claim 1, characterized in that ~~the~~an interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

Claim 6. (Currently Amended): The D~~dem~~ountable reel (1) according to claim 1, characterized in that the flanges (6) of the semi-cylindrical halves (3) of the hollow cylindrical

central body, have an essentially triangular section and because the guide rail (9) has an essentially tapered section corresponding to that of the flanges.

Claim 7. (Currently Amended): The Ddemountable reel (1) according to claim 1, characterized in that the semi-cylindrical halves (3) are equipped at their circumferential ends (5) with quadrangular indentations (12), arranged between the different segments of the flanges (6) of the semi-cylindrical halves, and of a rail (13) on its surface, arranged adjacent to the flanges.

Claim 8. (Currently Amended): The Ddemountable reel (1) according to claim 2, characterized in that the interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

Claim 9. (Currently Amended): The Ddemountable reel (1) according to claim 4, characterized in that the interior diameter (10) of the annular groove (7) is progressively greater in those segments (11) coincident with the segments of the guide rail (9), which produces a progressive reduction in the section of the guide rail.

Claim 10. (New): A demountable reel comprising:

a central body with a flange at a first end of the central body;

a disc at the first end of the central body;

wherein the disc comprises an annular groove;

wherein the flange is removably fitted with the annular groove; and

wherein a cross-sectional area of at least one of the annular groove and the flange varies over a length thereof;

wherein when the flange is fitted with the annular groove and the disc is rotated in a first direction with respect to the central body, the frictional fit between the groove and the flange increases, and when the disc is rotated in a second direction, opposite the first direction, the frictional fit between the groove and the flange decreases.

Claim 11. (New): A demountable reel according to claim 10, further comprising a second flange at a second end of the central body.

Claim 12. (New): A demountable reel according to claim 11, further comprising a second disc at the second end of the central body;

wherein when the second disc comprises a second annular groove;

wherein the second flange is removably fitted with the second annular groove; and

wherein when the second flange is fitted with the second annular groove and the second disc is rotated in a third direction with respect to the central body, the frictional fit between the second groove and the second flange increases, and when the second disc is rotated in a fourth direction, opposite the third direction, the frictional fit between the second groove and the second flange decreases.

Claim 13. (New): A demountable reel according to claim 12, wherein the central body comprises at least two pieces defining two separate parts.

Claim 14. (New): A demountable reel according to claim 12, wherein the central body comprises two semi-cylindrical halves.

Claim 15. (New): A demountable reel according to claim 12, wherein the discs have a diameter which is greater than the diameter of the central body and wherein the discs further comprise central openings.

Claim 16. (New): A demountable reel according to claim 12, wherein the flanges have a substantially triangular cross-section.

Claim 17. (new): A demountable reel according to claim 12, wherein the flanges further comprise indentations at each end which are arranged between portions of the flanges.

Claim 18. (new): A demountable reel according to claim 12, wherein a cross sectional area of the flanges varies and a cross sectional area of the grooves are substantially constant.

Claim 19. (new): A demountable reel according to claim 12, wherein a cross sectional area of the grooves varies and a cross sectional area of the flanges are substantially constant.

Claim 20. (new): A demountable reel according to claim 12, wherein a cross sectional area of the flanges and a cross sectional area of the grooves both vary.